

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
September 2000

Gray Davis
Governor
State of California

Mary D. Nichols
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The Resources Agency

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

**State Water Project
Operations Data**

for the Month of September 2000

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of September 2000.

An early September storm was enough to bring statewide precipitation for the month to about 105 percent of average, with higher amounts in the northern Sierra. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: http://cdec.water.ca.gov/snow_rain.html.

Statewide runoff for the month was average. The Sacramento River Index for water year 2000 was about 18.9 MAF, 105 percent of average. This is only 4 percent less than our April 1 median forecast.

Reservoir storage at the end of September was about 110 percent of average for the date statewide. Total storage in the major SWP reservoirs was about 2.94 MAF on September 30, 2000, compared with 3.66 MAF at this time in 1999. The average storage in the major SWP reservoirs at the end of September was about 3.4 MAF. The September 30 storage at Lake Oroville was about 1.92 MAF as compared to about 2.43 MAF last year. The State's share of San Luis Reservoir storage was about 387 TAF, as compared with about 592 TAF at this time last year. The combined storage of our southern reservoirs was about 630 TAF on September 30 as compared with 640 TAF at this same time last year.

SWP water deliveries for 2000 through September were about 2.78 MAF. This is a combination of project, transfer, and exchange waters. This is about 562,900 AF more than that delivered during the same period in 1999 and was the highest amount ever delivered by the SWP for this time frame.

Lake Oroville storage was well below average, 2.24 MAF, due to lower than average runoff in the Feather River basin and higher than average releases. Lower than average runoff in the Feather River basin was due to only 90 percent of average precipitation. The high releases were necessitated by the record high deliveries and higher than normal X₂ Delta outflow requirements the previous spring. The State's share of San Luis Reservoir storage was below average for September due also to the record high deliveries.

Kern County Water Agency transferred 8,191 AF of Agricultural Entitlement water and 1,089 AF of M&I Entitlement water to USBR in O'Neill Forebay from September 5 through September 9.

On September 20 and 21, 2000, the three-day average percent of inflow diverted at Tracy Pumping Plant and Clifton Court Forebay (commonly referred to as the 3-day E/I ratio) exceeded the standard of 65 percent. Joint Operations staff erroneously scheduled diversions into Clifton Court Forebay based on compliance with the 14-day average percent of inflow (14-day E/I ratio). This came to Joint Operations attention late afternoon on the 21st. To minimize the exceedence for the 21st, Joint Operations staff directed the closure of the Clifton Court Forebay gates and adjusted the schedules as necessary. Total diversion into Clifton Court on the 21st averaged 6,550 cfs. The 3-day E/I ratio for the 20th was 66.1 percent and for the 21st was 66.8 percent. The 14-day E/I for the same days was 61.8 percent. Joint Operations prepared a letter to the SWRCB briefly explaining this exceedence of a standard. Joint Operations also prepared a letter to the United States Army Corps of Engineers briefly describing this occurrence and the actions taken.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-Flow Maint.	Water Supply Contract	Water Right				
Aug 31	4997.59	18,670								
1	4997.53	18,620	-50	20	0	0	0			
2	4997.47	18,570	-50	20	0	0	0			
3	4997.44	18,545	-25	20	0	0	0			
4	4997.36	18,479	-66	20	0	0	0			
5	4997.30	18,429	-50	20	0	0	0			
6	4997.24	18,380	-49	20	0	0	0			
7	4997.20	18,346	-34	20	0	0	0			
8	4997.12	18,281	-65	20	0	0	0			
9	4997.06	18,231	-50	20	0	0	0			
10	4997.00	18,182	-49	20	0	0	0			
11	4996.95	18,141	-41	20	0	0	0			
12	4996.89	18,092	-49	20	0	0	0			
13	4996.83	18,043	-49	20	0	0	0			
14	4996.76	17,985	-58	20	0	0	0			
15	4996.71	17,945	-40	20	0	0	0			
16	4996.65	17,896	-49	20	0	0	0			
17	4996.58	17,839	-57	20	0	0	0			
18	4996.52	17,790	-49	20	0	0	0			
19	4996.47	17,750	-40	20	0	0	0			
20	4996.41	17,701	-49	20	0	0	0			
21	4996.35	17,653	-48	20	0	0	0			
22	4996.31	17,621	-32	20	0	0	0			
23	4996.25	17,572	-49	20	0	0	0			
24	4996.19	17,524	-48	20	0	0	0			
25	4996.14	17,484	-40	20	0	0	0			
26	4996.09	17,444	-40	20	0	0	0			
27	4996.02	17,388	-56	20	0	0	0			
28	4995.97	17,348	-40	20	0	0	0			
29	4995.91	17,300	-48	20	0	0	0			
30	4995.85	17,252	-48	20	0	0	0			
Total cfs-days				600	0	0	0	274	874	159
Total ac-ft				-1,418	1,190	0	0	544	1,734	316

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Aug 31	5578.86	42,177									
1	5578.72	41,990	-187	0	33	0	0	0			
2	5578.67	41,924	-66	0	33	0	0	0			
3	5578.59	41,817	-107	0	33	0	0	0			
4	5578.53	41,738	-79	0	27	0	0	0			
5	5578.49	41,685	-53	0	17	0	0	0			
6	5578.44	41,618	-67	0	14	0	0	0			
7	5578.41	41,579	-39	0	14	0	0	0			
8	5578.40	41,565	-14	0	8	0	0	0			
9	5578.35	41,499	-66	0	4	0	0	0			
10	5578.35	41,499	0	0	4	0	0	0			
11	5578.32	41,460	-39	0	16	0	0	0			
12	5578.28	41,407	-53	0	23	0	0	0			
13	5578.22	41,328	-79	0	23	0	0	0			
14	5578.14	41,222	-106	0	15	0	0	0			
15	5578.17	41,262	40	0	11	0	0	0			
16	5578.13	41,209	-53	0	11	0	0	0			
17	5578.08	41,143	-66	0	11	0	0	0			
18	5578.07	41,130	-13	0	11	0	0	0			
19	5578.05	41,104	-26	0	11	0	0	0			
20	5577.99	41,025	-79	0	10	0	0	0			
21	5577.99	41,025	0	0	9	0	0	0			
22	5578.00	41,038	13	0	9	0	0	0			
23	5577.96	40,986	-52	0	9	0	0	0			
24	5577.94	40,959	-27	0	9	0	0	0			
25	5577.94	40,959	0	0	9	0	0	0			
26	5577.94	40,959	0	0	9	0	0	0			
27	5577.85	40,841	-118	0	12	0	0	0			
28	5577.83	40,815	-26	0	12	0	0	0			
29	5577.81	40,789	-26	0	10	0	0	0			
30	5577.80	40,776	-13	0	9	0	0	0			
Total cfs-days				0	426	0	0	432	858	152	
Total ac-ft				-1,401	0	845	0	0	857	1,702	
										301	

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation (in acre-feet except as noted)

Capacity: 84,371 ac-ft

September 2000

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Aug 31	785.61	2,033,621								
1	784.69	2,023,796	-9,825	15,374	35	180	0	15,589	0	5,764
2	784.74	2,024,329	533	6,843	34	36	0	6,913	1,348	6,098
3	784.99	2,026,996	2,667	3,170	34	101	0	3,305	1,421	4,551
4	784.76	2,024,542	-2,454	5,623	34	158	0	5,815	0	3,361
5	783.83	2,014,643	-9,899	14,107	34	216	0	14,357	0	4,458
6	782.50	2,000,547	-14,096	17,082	34	229	0	17,345	0	3,249
7	781.63	1,991,364	-9,183	15,939	34	357	0	16,330	1,408	5,739
8	780.50	1,979,482	-11,882	16,227	34	328	0	16,589	1,705	3,002
9	780.10	1,975,289	-4,193	9,781	34	255	0	10,070	1,337	4,540
10	780.61	1,980,637	5,348	2,235	34	261	0	2,530	1,488	6,390
11	779.95	1,973,717	-6,920	12,931	35	149	0	13,115	1,777	4,418
12	779.07	1,964,519	-9,198	14,505	35	261	0	14,801	1,794	3,809
13	778.18	1,955,248	-9,271	14,572	35	309	0	14,916	1,439	4,206
14	776.96	1,942,591	-12,657	18,604	35	176	0	18,815	1,403	4,755
15	776.39	1,936,697	-5,894	13,586	35	223	0	13,844	1,766	6,184
16	775.95	1,932,157	-4,540	11,704	35	209	0	11,948	3,615	3,793
17	776.67	1,939,591	7,434	923	36	208	0	1,167	3,196	5,405
18	776.31	1,935,871	-3,720	11,158	36	272	0	11,466	2,209	5,537
19	776.03	1,932,982	-2,889	10,160	37	307	0	10,504	2,210	5,405
20	775.42	1,926,698	-6,284	10,425	38	257	0	10,720	2,190	2,246
21	775.41	1,926,595	-103	7,754	38	250	0	8,042	2,303	5,636
22	776.15	1,934,220	7,625	2,885	36	187	0	3,108	4,150	6,583
23	776.95	1,942,487	8,267	331	36	105	0	472	3,229	5,510
24	777.45	1,947,667	5,180	1,450	36	189	0	1,675	2,114	4,741
25	776.93	1,942,280	-5,387	10,791	36	252	0	11,079	1,302	4,390
26	776.54	1,938,247	-4,033	10,638	36	272	0	10,946	2,764	4,149
27	775.85	1,931,126	-7,121	13,146	36	280	0	13,462	2,733	3,608
28	775.13	1,923,716	-7,410	14,225	36	182	0	14,443	2,527	4,506
29	774.71	1,919,403	-4,313	11,234	36	111	0	11,381	2,901	4,167
30	774.75	1,919,813	410	7,315	36	228	0	7,579	2,221	5,768
Total		-113,808		304,718	1,060	6,548	0	312,326	56,550	141,968

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

September 2000

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Aug 31	23,065										
1	23,309	244	15,374	489	0	14,640	0	11	1,244	0	276
2	22,982	-327	6,843	508	1,386	6,508	0	12	1,242	1,348	46
3	22,687	-295	3,170	504	1,389	2,745	0	12	1,242	1,421	62
4	23,563	876	5,623	504	0	4,389	0	7	1,230	0	375
5	23,645	82	14,107	424	0	13,819	0	7	1,244	0	621
6	24,036	391	17,082	450	0	16,137	0	7	1,244	0	247
7	22,552	-1,484	15,939	442	1,040	16,434	0	7	1,244	1,408	188
8	23,326	774	16,227	472	1,370	14,517	0	7	1,244	1,705	178
9	23,287	-39	9,781	452	1,141	8,869	0	7	1,242	1,337	42
10	22,685	-602	2,235	504	1,360	646	0	7	1,244	1,488	-1,316
11	22,970	285	12,931	500	1,390	13,038	0	10	1,254	1,777	1,543
12	23,046	76	14,505	504	1,374	14,505	0	10	1,252	1,794	1,254
13	23,526	480	14,572	504	1,155	13,253	0	10	1,248	1,439	199
14	23,478	-48	18,604	500	1,400	17,818	0	10	1,284	1,403	-37
15	24,194	716	13,586	502	1,966	12,179	0	10	1,261	1,766	-122
16	23,973	-221	11,704	504	3,658	11,547	0	10	1,269	3,615	354
17	24,642	669	923	504	3,606	125	0	10	1,251	3,196	218
18	23,571	-1,071	11,158	500	2,163	11,350	0	10	1,237	2,209	-86
19	23,893	322	10,160	500	2,507	9,765	0	9	1,247	2,210	386
20	23,771	-122	10,425	502	2,199	9,992	0	9	1,265	2,190	208
21	23,895	124	7,754	500	2,154	7,037	0	9	1,263	2,303	328
22	24,294	399	2,885	502	4,728	2,452	0	9	1,269	4,150	164
23	23,587	-707	331	508	2,952	0	0	9	1,257	3,229	-3
24	23,475	-112	1,450	508	2,371	1,112	0	9	1,271	2,114	65
25	23,708	233	10,791	157	1,772	9,787	0	9	1,271	1,302	-118
26	24,068	360	10,638	6	2,098	8,558	0	9	1,271	2,764	220
27	22,904	-1,164	13,146	0	2,099	12,697	0	9	1,271	2,733	301
28	22,811	-93	14,225	0	2,565	13,396	0	9	1,269	2,527	318
29	23,069	258	11,234	0	2,989	9,979	0	9	1,259	2,901	183
30	24,151	1,082	7,315	0	2,467	5,392	0	9	1,251	2,221	173
Total		1,086	304,718	11,950	55,299	282,686	0	272	37,640	56,550	6,267

1/ Sum of Thermalito Forebay and Diversion Pool.

3/ Includes Bypass flows at Thermalito.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Aug 31	132.50	40,961										
1	133.15	43,414	2,453	14,640	2,281	5	430	595	8,767	0	-109	10,011
2	131.33	36,714	-6,700	6,508	2,204	4	355	484	8,767	1,386	-8	10,009
3	128.28	26,676	-10,038	2,745	2,063	4	307	440	8,767	1,389	187	10,009
4	125.87	19,826	-6,850	4,389	1,976	4	274	413	8,747	0	175	9,977
5	126.75	22,216	2,390	13,819	1,904	4	266	327	8,767	0	-161	10,011
6	128.65	27,813	5,597	16,137	1,839	4	246	294	7,755	0	-402	8,999
7	130.57	34,072	6,259	16,434	1,819	4	202	294	6,784	1,040	-32	8,028
8	131.99	39,083	5,011	14,517	1,825	4	186	321	5,653	1,370	-147	6,897
9	131.92	38,829	-254	8,869	1,829	4	188	343	5,633	1,141	15	6,875
10	129.45	30,348	-8,481	646	1,738	4	145	307	5,633	1,360	60	6,877
11	130.55	34,004	3,656	13,038	1,652	4	133	284	5,633	1,390	-286	6,887
12	131.81	38,430	4,426	14,505	1,642	3	141	260	5,633	1,374	-1,026	6,885
13	133.00	42,842	4,412	13,253	1,621	1	111	244	5,633	1,155	-76	6,881
14	135.20	51,561	8,719	17,818	1,452	0	99	218	5,633	1,400	-297	6,917
15	135.86	54,314	2,753	12,179	1,303	0	94	194	5,633	1,966	-236	6,894
16	135.94	54,652	338	11,547	1,317	0	96	194	5,633	3,658	-311	6,902
17	133.57	45,034	-9,618	125	1,273	0	96	194	4,522	3,606	-52	5,773
18	134.29	47,870	2,836	11,350	1,238	0	97	192	4,522	2,163	-302	5,759
19	134.55	48,912	1,042	9,765	1,258	0	85	194	4,522	2,507	-157	5,769
20	134.97	50,617	1,705	9,992	1,263	0	77	194	4,522	2,199	-32	5,787
21	134.60	49,114	-1,503	7,037	1,250	0	77	260	4,522	2,154	-277	5,785
22	132.40	40,590	-8,524	2,452	1,212	0	65	357	4,522	4,728	-92	5,791
23	129.85	31,655	-8,935	0	1,204	0	50	393	4,522	2,952	186	5,779
24	127.40	24,063	-7,592	1,112	1,200	0	54	391	4,522	2,371	-166	5,793
25	127.99	25,801	1,738	9,787	1,244	0	30	391	4,522	1,772	-90	5,793
26	127.98	25,771	-30	8,558	1,252	0	36	391	4,522	2,098	-289	5,793
27	129.40	30,187	4,416	12,697	1,194	0	75	424	4,522	2,099	33	5,793
28	130.73	34,621	4,434	13,396	1,182	0	89	472	4,522	2,565	-132	5,791
29	130.88	35,139	518	9,979	1,158	0	83	514	4,522	2,989	-195	5,781
30	129.85	31,655	-3,484	5,392	1,137	0	83	541	4,522	2,467	-126	5,773
Total		-9,306		282,686	45,530	49	4,270	10,120	172,379	55,299	-4,345	210,019

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

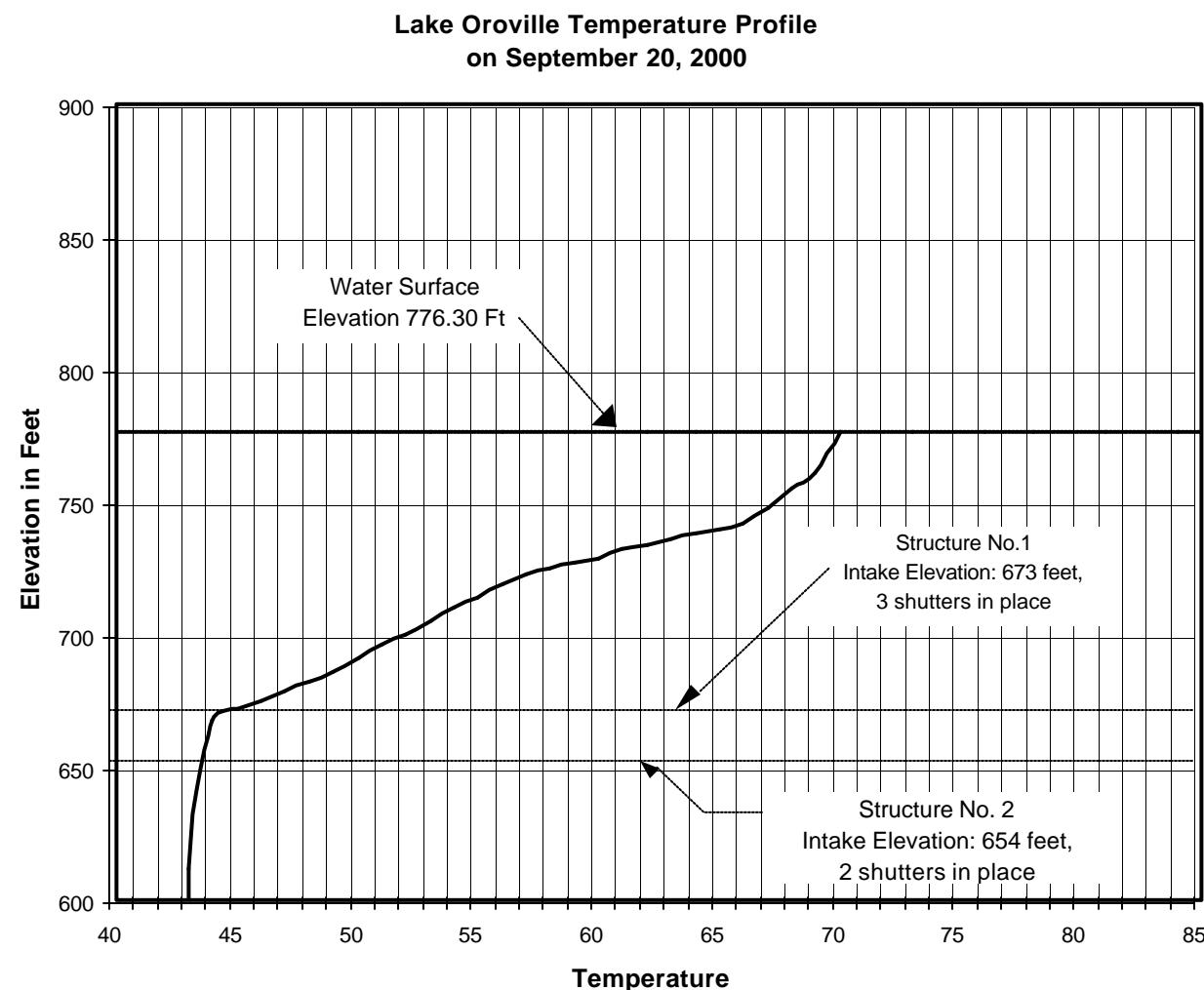
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

September 2000

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	60	54
2	60	54
3	60	55
4	61	55
5	61	55
6	59	53
7	59	54
8	58	52
9	59	52
10	60	53
11	61	53
12	60	52
13	60	51
14	59	51
15	58	52
16	58	52
17	59	52
18	62	53
19	61	52
20	60	52
21	59	52
22	62	53
23	64	53
24	63	55
25	63	55
26	64	52
27	64	50
28	62	50
29	61	50
30	61	51



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending					Entitlement		Ex-change		
	No.	Structure	Mile			M & I	Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,729	420	447	2,010		
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis Turnout	420					
	2		10.54	Solano County Water Agency Fairfield / Vacaville 24"	447	1,927	1,306			
				Solano County Water Agency Fairfield / Vacaville 42"	1,927					
		Cordelia Forebay	21.23							
3A	3A	Cordelia Pumping Plant & Cordelia Spillway	21.30		3,713	2,010	1,306	2,010		
			21.33	Solano County Water Agency Vallejo	2,010					
				Solano County Water Agency Benicia	1,306					
		Cordelia Surge Tank	23.33	Napa Pipeline						
		Creston Surge Tank Connection	25.65	Napa Pipeline						
	3B		26.95	Napa County Flood Control & WCD American Canyon 2	10	10	175			
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	175					
			27.60	Napa County Flood Control & WCD American Canyon 1	212					

Table 9. Delta Field Division Plant Data

(in acre-feet)

September 2000

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	149	70	1,542	1,542	465	0	0	63
2	146	67	13,596	13,596	445	0	0	63
3	44	54	13,572	13,572	425	0	0	63
4	45	54	13,602	13,602	433	0	0	63
5	196	100	10,628	10,628	452	0	0	63
6	255	127	13,393	13,393	421	0	0	63
7	269	141	13,445	13,445	445	0	0	63
8	284	144	13,612	13,612	457	0	0	63
9	275	142	13,620	13,620	434	0	0	63
10	239	132	13,654	13,654	418	0	0	63
11	273	145	13,658	13,658	406	0	0	63
12	258	139	13,640	13,640	408	0	0	63
13	246	133	13,495	13,495	402	0	0	63
14	253	145	14,393	14,393	413	0	0	63
15	281	142	14,325	14,325	471	0	0	63
16	286	155	13,593	13,593	478	0	0	63
17	248	144	14,196	14,196	434	0	0	63
18	248	140	14,332	14,332	362	0	0	136
19	249	132	12,434	12,434	296	0	0	218
20	296	131	13,693	13,693	269	0	0	218
21	244	130	13,704	13,704	256	0	0	218
22	242	133	9,997	9,997	242	0	0	218
23	230	133	7,315	7,315	198	0	0	218
24	208	118	11,346	11,346	254	0	0	218
25	252	127	14,294	14,294	253	0	0	183
26	204	117	12,016	12,016	301	0	0	124
27	193	117	12,127	12,127	361	0	0	75
28	199	123	12,945	12,945	371	0	0	21
29	208	142	13,379	13,379	331	0	0	30
30	209	136	11,908	11,908	231	0	0	90
Total	6,729	3,713	377,454	377,454	11,132	0	0	3,039

Table 10. Clifton Court Forebay

Daily Operation of Gates

September 2000

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Entitle-ment	USBR	Misc.	Loan Water	Carryover Ent.		
	No.	Structure										
1	Banks Pumping Plant	3.32			377,454							
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	11,132		50	7				
		Check No. 1	5.95									
	2	Check No. 2	12.01									
	3		12.47	Musco Olive	50							
		Check No. 3	18.29									
	4		22.16	Tracy Golf & Country Club	7							
		Check No. 4	23.99									
	5	Check No. 5	29.73									
	6	Check No. 6	34.24									
	7		35.22	Turlock Fruit Company Inflow	0							
2B	8		42.46	Oak Flat Water District-A	39	39	14	93				
			43.81	Oak Flat Water District-B	14							
			44.64	Oak Flat Water District-C	93							
		Check No. 8	45.97									
	9		46.18	Oak Flat Water District-D	220	220	0	0	0	0		
				Oak Flat Totals:	366							
	10	Check No. 9	51.30									
	11	Check No. 10	56.86									
	12	Check No. 11	61.40									
			66.14	Veteran's Cemetery	6		6					
		Check No. 12	66.71		361,013							

Table 12. South Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

September 2000

Reach No.	Operating Pool		Tumout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	General Wheeling	Local	Recreation		
	No.	Structure	Mile							
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	11,132	4	918			
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	0					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
2	3		7.21	Zone 7 Altamont	4					
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0					
				Zone 7 Patterson Project Water	918					
4	4	Check No. 4	10.68			222	95			
		Check No. 5	12.29							
	6		13.55	Zone 7 Wente #1	222					
			14.16	Zone 7 Wente #2	95					
		Check No. 6	14.65							
			14.78	Zone 7 Ising Temporary	10					
		Check No. 7	16.38	Zone 7 Arroyo Mocho	817					
	8		16.57	Zone 7 Wente #3	50		53			
			16.69	Zone 7 Norman Nursery	13					
			16.70	Zone 7 Concannon Project Water	53					
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0					
				(Flow into South Bay Aqueduct)	3,039					
		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Project Water	176		176			
				Arroyo Valle #1 & #2 Stored Exchange	0					
				Lake Del Valle Recreation	0					
				Zone 7 Wente #5	88					
			19.20	So. Livermore Project	2,465		2,465			
6	7	La Costa Tunnel		So. Livermore Inflow Released	38					
				So. Livermore Stored Exchanged	0					
			19.21	Zone 7 - Kalthof Detjens	175					
7				ACWD Vallecitos Project Water	611		611			
			22.47	City of San Francisco San Antonio	0					
8	8	Mission Tunnel	25.97	ACWD - Bayside 1 & 2 Project Water:	484	484	1,673			
				Inflow Released	0					
9				Stored Exchange:	1,673					
			35.86	S.C.V.W.D. Meter	6,269					

Table 13. Lake Del Valle

Daily Operation

(in acre-feet except as noted)

September 2000

Capacity: 77,106 ac-ft

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Aug 31	697.51	36,147									
1	697.37	36,054	-93	-16	0	0	63	0	14	77	0.00
2	697.27	35,987	-67	5	0	0	63	0	9	72	0.00
3	697.17	35,921	-66	7	0	0	63	0	10	73	0.00
4	697.07	35,855	-66	7	0	0	63	0	10	73	0.00
5	696.97	35,789	-66	9	0	0	63	0	12	75	0.00
6	696.85	35,709	-80	-1	0	0	63	0	16	79	0.00
7	696.75	35,643	-66	13	0	0	63	0	16	79	0.00
8	696.63	35,564	-79	-1	0	0	63	0	15	78	0.00
9	696.55	35,511	-53	23	0	0	63	0	13	76	0.00
10	696.44	35,439	-72	4	0	0	63	0	12	76	0.00
11	696.34	35,373	-66	8	0	0	63	0	11	74	0.00
12	696.25	35,314	-59	17	0	0	63	0	12	76	0.00
13	696.13	35,235	-79	-3	0	0	63	0	13	76	0.00
14	696.05	35,183	-52	18	0	0	63	0	7	70	0.00
15	696.19	35,275	92	165	0	0	63	0	10	73	0.00
16	695.86	35,058	-217	-141	0	0	63	0	12	76	0.00
17	695.76	34,993	-65	16	0	0	63	0	18	81	0.00
18	695.52	34,838	-155	-2	0	0	136	0	17	153	0.00
19	695.18	34,618	-220	14	0	0	218	0	16	234	0.00
20	694.85	34,406	-212	23	0	0	218	0	17	235	0.00
21	694.49	34,175	-231	-5	0	0	218	0	8	226	0.00
22	694.16	33,964	-211	10	0	0	218	0	3	221	0.00
23	693.80	33,735	-229	2	0	0	218	0	13	231	0.00
24	693.45	33,514	-221	5	0	0	218	0	8	226	0.00
25	693.17	33,337	-177	17	0	0	183	0	11	194	0.00
26	692.98	33,218	-119	16	0	0	124	0	11	135	0.00
27	692.86	33,142	-76	7	0	0	75	0	8	83	0.00
28	692.83	33,123	-19	13	0	0	21	0	11	32	0.00
29	692.77	33,086	-37	3	0	0	30	0	10	40	0.00
30	692.60	32,979	-107	-17	0	0	90	0	0	90	0.00
Total		-3,168	215	0	0	3,039	0	344	3,383	0.00	

1/ Total inflow from stream gauging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

September 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Aug 31	222.70	50,246										
1	221.73	47,677	-2,569	0	2,084	0	5,872	0	3,591	5,828	11	179
2	221.89	48,098	421	0	2,144	333	6,233	0	2,216	6,331	8	57
3	220.80	45,237	-2,861	0	2,328	0	6,637	0	5,690	4,815	8	106
4	219.94	42,997	-2,240	0	2,506	0	6,278	0	5,588	4,433	8	116
5	222.01	48,411	5,414	0	2,372	2,645	4,740	0	2,359	4,894	15	241
6	222.80	50,513	2,102	0	2,155	0	6,484	0	2,344	5,202	15	-18
7	221.81	47,887	-2,626	0	1,997	0	6,213	0	4,455	4,888	13	-178
8	220.57	44,635	-3,252	0	1,886	0	6,403	0	4,989	4,666	15	-259
9	220.92	45,551	916	0	1,932	669	6,319	0	3,458	5,524	12	536
10	220.00	43,152	-2,399	0	1,993	0	6,475	0	5,931	3,797	17	68
11	221.05	45,892	2,740	0	1,855	0	6,437	0	3,285	3,755	13	142
12	221.94	48,229	2,337	0	1,788	1,897	6,341	0	5,660	3,293	15	120
13	223.58	52,598	4,369	0	1,600	2,025	6,422	0	4,806	3,439	15	416
14	222.60	49,980	-2,618	0	1,541	404	6,712	0	5,326	5,081	11	441
15	222.68	50,193	213	0	1,486	212	6,799	0	4,614	3,896	11	131
16	222.80	50,513	320	0	1,467	1,747	6,216	0	4,765	4,863	12	371
17	220.50	44,453	-6,060	0	1,657	0	6,671	0	5,989	5,561	19	186
18	221.24	46,390	1,937	0	1,655	0	6,754	0	3,608	3,961	27	164
19	221.84	47,966	1,576	0	1,525	1,476	5,826	0	3,256	4,893	13	130
20	221.05	45,892	-2,074	0	1,374	2,169	6,333	0	6,462	4,427	13	-20
21	220.89	45,472	-420	0	1,205	798	6,551	0	4,683	4,401	11	329
22	220.00	43,152	-2,320	0	1,324	827	4,842	0	3,772	4,617	18	244
23	220.15	43,541	389	0	1,426	812	3,287	0	1,260	4,436	18	385
24	221.88	48,071	4,530	0	1,405	2,144	5,345	0	1,440	5,213	31	74
25	222.10	48,650	579	0	1,225	416	6,634	0	4,306	4,264	46	633
26	221.39	46,784	-1,866	0	1,041	693	5,413	0	3,923	4,406	23	264
27	221.12	46,075	-709	0	978	510	6,146	0	4,193	4,117	23	342
28	221.28	46,495	420	0	1,206	293	5,498	0	2,564	4,660	15	454
29	221.78	47,809	1,314	0	1,278	403	6,283	0	2,940	4,648	15	301
30	220.56	44,609	-3,200	0	1,127	0	5,845	0	5,161	3,657	15	248
Total			-5,637	0	49,560	20,473	182,009	0	122,634	137,966	486	6,202
Mean cfs			---	0	1,652	682	6,067	0	4,088	4,599	16	207
Acre-feet			-5,637	0	98,298	40,609	361,013	0	243,242	273,657	964	12,306

1/ Pump-in located at Mile 79.67R.

2/ Includes 53 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations
September 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Aug 31	417.28	666,886							
1	418.07	673,778	6,892	3,591	0	186	0	70	
2	418.51	677,628	3,850	2,216	333	182	0	240	
3	419.63	687,466	9,838	5,690	0	165	0	-565	
4	420.79	697,710	10,244	5,588	0	177	0	-246	
5	420.70	696,913	-797	2,359	2,645	184	0	68	
6	421.15	700,901	3,988	2,344	0	169	0	-164	
7	422.08	709,169	8,268	4,455	0	175	0	-112	
8	423.17	718,905	9,736	4,989	0	172	0	91	
9	423.77	724,286	5,381	3,458	669	171	0	95	
10	424.95	734,912	10,626	5,931	0	176	0	-398	
11	425.65	741,243	6,331	3,285	0	153	0	60	
12	426.47	748,666	7,423	5,660	1,897	152	0	131	
13	427.01	753,572	4,906	4,806	2,025	149	0	-159	
14	428.00	762,595	9,023	5,326	404	148	0	-225	
15	428.89	770,737	8,142	4,614	212	206	0	-91	
16	429.50	776,335	5,598	4,765	1,747	212	0	16	
17	430.74	787,757	11,422	5,989	0	214	0	-16	
18	431.44	794,230	6,473	3,608	0	259	0	-86	
19	431.80	797,566	3,336	3,256	1,476	301	0	203	
20	432.63	805,276	7,710	6,462	2,169	308	0	-98	
21	433.29	811,424	6,148	4,683	798	311	0	-474	
22	433.86	816,747	5,323	3,772	827	249	0	-12	
23	433.96	817,682	935	1,260	812	198	0	221	
24	433.70	815,252	-2,430	1,440	2,144	117	0	-404	
25	434.37	821,520	6,268	4,306	416	203	0	-527	
26	434.97	827,147	5,627	3,923	693	273	0	-120	
27	435.66	833,634	6,487	4,193	510	296	0	-117	
28	436.08	837,591	3,957	2,564	293	149	0	-127	
29	436.45	841,083	3,492	2,940	403	214	0	-562	
30	437.48	850,828	9,745	5,161	0	214	0	-34	
Total			183,942	122,634	20,473	6,083	0	-3,342	
Mean cfs			---	4,088	682	203	0	-111	
Acre-feet			183,942	243,242	40,609	12,073	0	-6,618	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 9,715 AF, San Benito: 2,358 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

September 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	11,559	11,037	0	0	7,123	2,260	368
2	12,558	12,558	660	660	4,395	1,395	361
3	9,550	9,550	0	0	11,286	1,992	328
4	8,792	8,792	0	0	11,084	4,273	351
5	9,707	9,707	5,246	5,246	4,679	-58	365
6	10,318	10,318	0	0	4,650	-66	336
7	9,696	9,696	0	0	8,836	2,221	348
8	9,256	9,256	0	0	9,895	3,473	342
9	10,957	10,957	1,327	1,327	6,858	2,868	340
10	7,532	7,532	0	0	11,765	6,615	250
11	7,448	7,448	0	0	6,516	1,361	304
12	6,531	6,531	3,762	3,762	11,227	7,903	302
13	6,822	6,822	4,017	4,017	9,532	4,972	295
14	10,078	10,078	801	801	10,564	7,695	293
15	7,728	7,728	421	421	9,151	7,542	408
16	9,646	9,646	3,466	3,466	9,451	7,854	421
17	11,030	11,030	0	0	11,880	5,439	425
18	7,856	7,856	0	0	7,157	4,318	513
19	9,705	9,705	2,928	2,928	6,458	4,853	598
20	8,781	8,781	4,302	4,302	12,817	8,053	611
21	8,730	8,730	1,582	1,582	9,289	4,631	616
22	9,157	9,157	1,640	1,640	7,481	5,006	493
23	8,799	8,799	1,610	1,610	2,499	21	393
24	10,340	10,340	4,253	4,253	2,856	1,409	233
25	8,458	8,458	826	826	8,541	4,997	403
26	8,740	8,740	1,374	1,374	7,782	4,606	542
27	8,167	8,167	1,012	1,012	8,316	5,846	588
28	9,243	9,243	582	582	5,086	5,086	396
29	9,220	9,220	800	800	5,831	5,131	425
30	7,253	7,253	0	0	10,237	1,849	425
Total	273,657	273,135	40,609	40,609	243,242	123,545	12,073

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
September 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Aug 31	325.40	19,465					
1	325.37	19,452	-13	0	0	0	-13
2	325.36	19,447	-5	0	0	0	-5
3	325.32	19,429	-18	0	0	0	-18
4	325.30	19,420	-9	0	0	0	-9
5	325.28	19,411	-9	0	0	0	-9
6	325.26	19,402	-9	0	0	0	-9
7	325.26	19,402	0	0	0	0	0
8	325.24	19,393	-9	0	0	0	-9
9	325.22	19,384	-9	0	0	0	-9
10	325.19	19,370	-14	0	0	0	-14
11	325.18	19,365	-5	0	0	0	-5
12	325.17	19,361	-4	0	0	0	-4
13	325.14	19,347	-14	0	0	0	-14
14	325.12	19,338	-9	0	0	0	-9
15	325.11	19,334	-4	0	0	0	-4
16	325.10	19,329	-5	0	0	0	-5
17	325.09	19,325	-4	0	0	0	-4
18	325.08	19,320	-5	0	0	0	-5
19	325.07	19,315	-5	0	0	0	-5
20	325.05	19,306	-9	0	0	0	-9
21	325.01	19,288	-18	0	0	0	-18
22	324.99	19,279	-9	0	0	0	-9
23	324.97	19,270	-9	0	0	0	-9
24	324.95	19,261	-9	0	0	0	-9
25	324.95	19,261	0	0	0	0	0
26	324.93	19,252	-9	0	0	0	-9
27	324.88	19,229	-23	0	0	0	-23
28	324.86	19,220	-9	0	0	0	-9
29	324.86	19,220	0	0	0	0	0
30	324.86	19,220	0	0	0	0	0
Total			-245	0	0	0	-245
Mean cfs			---	0	0	0	---
Acre-feet			-245	0	0	0	-245

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

September 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Computed Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Aug 31	601.60	769					
1	601.60	769		1	0	1	
2	601.60	769		1	0	1	
3	Not Observed			1	0	1	
4	Not Observed			1	0	1	
5	Not Observed			1	0	1	
6	Not Observed			1	0	1	
7	Not Observed			1	0	1	
8	601.60	769		1	0	1	
9	Not Observed			1	0	1	
10	Not Observed			1	0	1	
11	Not Observed			1	0	1	
12	Not Observed			1	0	1	
13	Not Observed			1	0	1	
14	Not Observed			1	0	1	
15	Not Observed			1	0	1	
16	Not Observed			1	0	1	
17	Not Observed			1	0	1	
18	Not Observed			1	0	1	
19	Not Observed			1	0	1	
20	Not Observed			1	0	1	
21	Not Observed			1	0	1	
22	Not Observed			1	0	1	
23	Not Observed			1	0	1	
24	Not Observed			1	0	1	
25	Not Observed			1	0	1	
26	Not Observed			1	0	1	
27	Not Observed			1	0	1	
28	Not Observed			1	0	1	
29	601.60	769		1	0	1	
30	Not Observed			1	0	1	
Total			0	30	0	30	---
Mean cfs			---	1	0	1	---
Acre-feet			0	60	0	60	0

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

September 2000

Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending				USBR	Transfer	DWR	USBR		
	No.	Structure					Recreation	Recreation		
2B	12	Check No. 12	66.71		361,013					
3	13	O'Neill Forebay and San Luis Reservoir								
		Outlet Check No. 13	70.85	Department of Parks and Recreation Department of Fish & Game	20 53			11 29		
		70.91 Thru		San Luis Water District	911	911				
			85.08	(Floodwater Inflow)	0					
				Reach 3 Subtotal:	984	911	0	40		
		Dos Amigos Pumping Plant	86.73		273,657					
4	14	89.03 Thru 94.06								
				San Luis Water District	2,043	2,043				
			89.66			189				
			Thru	Pacheco Water District	189					
			89.67							
		89.68		Panoche Water District	4		4			
		89.70		City of Dos Palos	119	119				
		Check No. 14	95.06							
4	15	98.15 Thru 104.20								
				San Luis Water District	251	251				
			96.15			1,093				
			Thru	Panoche Water District	1,093					
			102.64	(Floodwater Inflow)	0					
		102.64		Broadview Water District	0					
		105.22 Thru 108.64		Westlands Water District	2,395	1,847	548			
		Check No.15	108.50							
				Pacheco Water District Total:	189	189	0	0		
				Broadview Water District Total:	0	0	0	0		
				City of Dos Palos Total:	119	119	0	0		
				SLWD Reach 4 Subtotal:	2,294	2,294	0	0		
				Panoche Water District Total:	1,097	1,097	0	0		
				SLWD Total:	3,205	3,205	0	0		
				Westlands WD Reach 4 Subtotal:	2,395	1,847	548	0		

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending					USBR	Transfer	DWR	USBR				
	No.	Structure	Mile					Recreation	Recreation				
5	16		110.52	(Reverse flow, Kings River)	0	399	4,000	1					
			Thru	Westlands Water District	4,399								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	2,209	209	2,000						
			Thru										
			132.74										
	Check No. 17		132.95										
	18		133.81	Westlands Water District	4,170	1,196	2,974						
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	5,839	184	5,655						
			143.16	City of Coalinga	488								
	Check No. 18		143.23										
				Westlands WD Reach 5 Subtotal:	16,617	1,988	14,629	0	0				
6	19		145.26	Westlands Water District	6,726	5,773	953						
			Thru										
			151.19										
	Check No. 19		155.64										
				Westlands WD Reach 6 Subtotal:	6,726	5,773	953	0	0				
7	20		156.34	City of Huron	102	102	275						
			156.40	Westlands Water District	861								
			Thru										
			163.69										
	Check No. 20		164.69										
	21		164.79	City of Avenal	210	210	1,400						
			167.04	Westlands Water District	1,445								
			Thru										
			171.67										
	Check No. 21		172.40			45	1,400						
				Reach 7 Total:	2,618	943	1,675	0	0				
				Westlands WD Total:	28,044	10,239	17,805	0	0				
				City of Coalinga Total:	488	488	0	0	0				
				City of Huron Total:	102	102	0	0	0				
				City of Avenal Total:	210	210	0	0	0				
				Phase I Water Total:	0	0	0	0	0				
Total San Luis Field Division Deliveries:					33,528	15,649	17,805	41	33				

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
September 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Aug 31	29,421								
1	29,058	-363	0	5,828	55	26	696	5,297	63
2	30,016	958	0	6,331	50	23	697	5,138	60
3	29,502	-514	0	4,815	50	23	623	4,743	365
4	28,969	-533	0	4,433	50	23	560	4,411	343
5	28,741	-228	0	4,894	52	26	532	4,454	55
6	29,394	653	0	5,202	42	26	532	4,270	-3
7	29,315	-79	0	4,888	44	22	494	4,444	76
8	29,195	-120	0	4,666	44	22	495	4,240	75
9	29,312	117	0	5,524	40	22	481	4,808	-114
10	28,682	-630	0	3,797	42	15	463	3,698	103
11	29,249	567	0	3,755	40	16	459	2,936	-18
12	29,573	324	0	3,293	45	16	445	2,458	-166
13	28,701	-872	0	3,439	45	16	445	3,372	-1
14	29,499	798	0	5,081	50	15	397	3,994	-223
15	28,132	-1,367	0	3,896	57	15	465	4,113	65
16	28,287	155	0	4,863	59	18	495	4,313	100
17	28,937	650	0	5,561	56	18	486	4,852	178
18	28,605	-332	0	3,961	53	18	463	3,737	142
19	28,891	286	0	4,893	49	16	460	4,109	-114
20	28,212	-679	0	4,427	49	16	460	4,392	147
21	28,609	397	0	4,401	43	19	442	3,753	57
22	28,824	215	0	4,617	37	18	450	4,005	1
23	27,880	-944	0	4,436	32	18	450	4,242	-170
24	29,346	1,466	0	5,213	34	19	408	3,968	-44
25	29,347	1	0	4,264	32	16	410	3,813	8
26	29,250	-97	0	4,406	31	16	412	3,919	-77
27	28,617	-633	0	4,117	32	16	412	4,015	39
28	28,931	314	0	4,660	33	13	470	3,814	-171
29	28,884	-47	0	4,648	33	13	470	3,998	-157
30	28,889	5	0	3,657	33	13	470	3,230	92
Total		-532	0	137,966	1,312	553	14,542	122,538	711
Mean cfs		- - -	0	4,631	45	19	486	4,118	24
Acre-feet		-532	0	273,657	2,602	1,097	28,845	243,054	1,409

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 188 AF AG & 1 AF M&I to Pacheco W.D. and 119 AF to the City of Dos Palos.

4/ Includes 102 AF to the City of Huron, 210 AF to the City of Avenal, 488 AF to the City of Coalinga, 0 AF Phase I Water @ Lat. 13R, 1 AF to F&G @ WWD Lateral 4L, and 0 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

September 2000

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	523	523	101	95	100	6,589	6,628	6,307	6,097
2	484	484	90	84	90	6,142	6,234	5,976	5,750
3	467	467	82	78	84	6,226	6,151	5,972	5,834
4	472	472	82	76	84	5,566	5,834	5,673	5,560
5	456	456	101	97	102	5,237	5,277	5,007	4,783
6	459	459	96	89	94	5,749	5,727	5,370	5,318
7	407	407	90	87	90	5,570	5,412	5,250	5,095
8	352	352	88	87	92	5,448	5,335	5,191	4,920
9	404	404	107	104	109	5,856	5,743	5,623	5,482
10	364	364	107	95	100	5,156	5,227	5,107	4,979
11	324	324	86	81	86	2,698	2,517	4,432	2,346
12	355	355	87	83	90	2,504	2,380	2,159	2,097
13	385	385	91	86	91	3,213	2,735	2,523	2,455
14	383	383	105	94	103	5,558	5,622	5,477	5,189
15	478	478	110	106	109	5,268	5,151	4,850	4,786
16	411	411	112	105	110	6,125	6,264	6,072	6,022
17	326	326	93	89	96	6,867	6,843	6,716	6,548
18	237	237	83	81	86	4,823	4,874	4,639	4,534
19	255	255	96	91	97	4,831	4,769	4,531	4,410
20	232	232	114	106	110	5,031	4,757	4,621	4,520
21	306	306	122	117	120	4,565	4,391	4,199	4,073
22	262	262	120	114	116	4,886	4,747	4,520	4,378
23	201	201	123	117	120	5,946	5,785	5,636	5,619
24	228	228	120	115	119	6,144	6,107	6,031	5,998
25	244	244	114	110	112	4,407	4,615	4,483	4,417
26	243	243	83	75	81	5,090	5,039	4,783	4,640
27	245	245	78	75	81	5,099	4,975	4,769	4,739
28	253	253	84	76	84	5,221	5,026	4,804	4,730
29	255	255	93	87	94	5,749	5,477	5,250	5,200
30	278	278	101	93	99	4,977	4,804	4,651	4,590
31									
Total	10,289	10,289	2,959	2,793	2,949	156,541	154,446	150,622	145,109

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	Purchase Pool A	Purchase Pool B	Other		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		243,054							
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	41	269	1,853	166			
				County of Kings TL - A	0							
				TLBWSD TL-A	166							
				175.18 DRWD - 1	41							
			177.54 DRWD - 1B	DRWD - 1B	269	227	8,858	0	0	0		
				180.64 TLBWSD - C	0							
				180.65 DRWD - 1A	227							
			182.99 DRWD - 2	DRWD - 2	1,853	1,853	8,858	0	0	0		
				183.00 Tulare Lake Basin WSD TL - B	8,858							
31A			184.63 Coastal Branch		10,289							
8D			184.78 Dudley Ridge Water Dist. DRWD - 3		1,142	1,142	3,532	0	0	0		
				Dudley Ridge Reach 8D Total:	3,532							
9	23		189.69 Lost Hills Water Dist. - 1 191.18 Lost Hills Water Dist. - 2 194.22 Lost Hills Water Dist. - 3 196.40 Berrenda Mesa - 2 196.75 Lost Hills Water Dist. - 4	Kern County Water Agency Lost Hills Water Dist. - 1	2,751	2,751	394	0	0	0		
				Kern County Water Agency Lost Hills Water Dist. - 2	394							
				Kern County Water Agency Lost Hills Water Dist. - 3	42							
				Kern County Water Agency Berrenda Mesa - 2	0							
				Kern County Water Agency Lost Hills Water Dist. - 4	308							
				K.C.W.A. Reach 9 Subtotal:	3,495							
				Check No. 23	197.05							
10A	24		201.24 Lost Hills Water Dist. - 7 202.05 Lost Hills Water Dist. - 5 204.69 Lost Hills Water Dist. - 6 205.26 Lost Hills Water Dist. - 8	Kern County Water Agency Lost Hills Water Dist. - 7	403	403	283	0	0	0		
				Kern County Water Agency Lost Hills Water Dist. - 5	283							
				Kern County Water Agency Lost Hills Water Dist. - 6	0							
				Kern County Water Agency Lost Hills Water Dist. - 8	15							
				Check No. 24	207.94							
	25		209.71 Belridge Water Storage Dist. - 1A 209.78 USBR BV-1B 209.80 Buena Vista WSD 1B	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,052	1,052	2,783	0	0	0		
				Kern National Wildlife Refuge USBR BV-1B	2,783							
				Kern County Water Agency Buena Vista WSD 1B	432							
			209.80 Semitropic WSD Semitropic WSD Penstocks USBR Semitropic WSD Penstocks	Kern County Water Agency Semitropic WSD	0	313	912	500	266	11,500		
				Kern County Water Agency Semitropic WSD Penstocks	813							
				Kern National Wildlife Refuge USBR Semitropic WSD Penstocks	12,412							
				USBR Total:	3,695		0	3,695	0	0		
				K.C.W.A. Reach 10A Subtotal:	14,498		2,232	0	500	266		
										11,500		

1/ TLBWSD wheeled 166 AF of Dudley Ridge WD Ag. Ent. to DRWD per Agreement dated 5-22-98. (Acct #135)

2/ 10,000 AF of Santa Clara Valley WD Year 2000 Entitlement and 1,500 AF of Alameda County WD

Year 2000 Entitlement stored in Semitropic WSD.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Payback 2/	Purchase Pool A	Purchase Pool B	Other 3/		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	7,412						
			214.11	Kern County Water Agency Belridge - 3	0							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	7,412							
				Kern County Water Agency Belridge - 5D	333							
		Check No. 25	217.79									
				K.C.W.A. Reach 11B Subtotal:	7,745	7,745	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	7,310	3,000			17,166		
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0							
			Check No. 27	231.73								
			235.75	Kern County Water Agency Buena Vista - 2	0							
			238.04	Kern County WA CVC	27,476							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
	28		238.11	Pixley ID	0							
				Hacienda								
				DWR Wells	0							
		Check No. 28										
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	27,476	7,310	3,000	0	0	17,166		
13B	29		241.02	Kern River Intertie (inflow)	0	706						
				KCWA Buena Vista WSD - 7	0							
			242.85	KCWA Buena Vista WSD - 5	0							
			243.09	Kern County Water Agency Buena Vista - 3	706							
		Check No. 29	244.54	Buena Vista WSD	0							
	30		249.85	Kern County Water Agency Buena Vista - 4	478							
			250.99		156,541							
				K.C.W.A. Reach 13B Subtotal:	1,184	706	0	0	478	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	89						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	89							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ MWD entitlement payback for 78/82 Exchange (Acct #129)

3/ Arvin-Edison is storing this entitlement water for MWD.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Payback	Purchase Pool A	Purchase Pool B	Other		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			53	53	0	0	0		
	32		258.61		Kern County Water Agency Wheeler Ridge-Maricopa - 3		631					
			260.44		Kern County Water Agency Wheeler Ridge-Maricopa - 4							
		Check No. 32	261.72		KCWA Reach 14A Subtotal:	773						
14B	33		264.42		Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,633	1,633	0	0	0		
			266.91		Kern County Water Agency Wheeler Ridge-Maricopa - 6	699						
		Check No. 33	267.36		Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,896						
	34		270.24		Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,896	1,896	0	0	0		
			271.27		KCWA Reach 14B Total:	4,228						
14C	35		272.39		Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,434	1,434	0	0	0		
			276.09		Kern County Water Agency Wheeler Ridge-Maricopa - 10	401						
					Reach 14C Total:	1,835						
		Teerink Pumping Plant	278.13			154,446						
15A	36		279.02		Kern County Water Agency Wheeler Ridge-Maricopa - 11	612	612	0	0	0		
			280.06		Kern County Water Agency Wheeler Ridge-Maricopa - 12	2,535						
					Reach 15-A Total:	3,147						
		Chrisman Pumping Plant	280.36			150,622						
		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13		0							
16A	37		283.95		Kern County Water Agency Wheeler Ridge-Maricopa - 14	16	16	0	0	0		
			285.01		Kern County Water Agency Wheeler Ridge-Maricopa - 15	214						
			286.39		Kern County Water Agency Wheeler Ridge-Maricopa - 16	0						
			287.06		Kern County Water Agency Wheeler Ridge-Maricopa - 17	244						
		Check No. 38	287.09		Kern County Water Agency Wheeler Ridge-Maricopa - 18	864						
	39		287.62		Kern County Water Agency Wheeler Ridge-Maricopa - 19	289	244	0	0	0		
			290.21		Kern County Water Agency Tehachapi Cummings CWD	822						
	40		291.26		K.C.W.A. Reach 16A Subtotal:	2,449	864	0	0	0		
			293.07		Kern County Water Agency Tehachapi Cummings CWD	822						
					K.C.W.A. Reach 16A Subtotal:	145,109						
		Edmonston Pumping Plant	293.45									
17E												

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

September 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	Payback 1/	Purchase Pool A	Purchase Pool B	Other	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		10,289	22	731	1,308	5,662	
		Las Perillas Pumping Plant	1.16		10,289					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		10,289					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	22					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	731					
			14.83	Kern County Water Agency Berrenda Mesa - DD	0					
				Kern County Water Agency Berrenda Mesa - PO	6,970					
		Devil's Den Pumping Plant	14.86		2,959					
				K.C.W.A. Reach 31A Subtotal:	7,701	2,039	5,662	0	0	
				K.C.W.A. Total:	74,531	35,959	8,662	500	744	
33A	C-7	Bluestone Pumping Plant	19.05		2,793	2,566	371	0	0	
	C-8	Polonio Pass Pumping Plant	26.54		2,949					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,566					
		Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	371	2,937	0	0	0	
		Energy Dissipater	78.12							
		Lopez T.O.	85.86	SLOCFC & WCD	0					
35	C-12			CCWA Total:	2,937	0	0	0	0	
		Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
38		So. Cal. Water T.O.	109.20	SBCFC & WCD	0	0	0	0	0	
				SBCFC & WCD Total:	0					
		Tank Site 5	115.42							

1/ MWD entitlement payback for 78/82 Exchange (Acct. #129)

Table 24. Southern Field Division Plant Data

(in acre-feet)

September 2000

Date	West Branch					East Branch									
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation		
		Generation	Leakage	Generation	Pumpback	Bypass Through Plant	Cottonwood Chute	Generation		Leakage	Bypass Flume				
1	2,739	2,514	0	6,535	203	3,167	0	220	3,342	3,419	0	0	0	2,500	
2	2,896	2,391	0	723	4,222	2,549	0	316	1,993	2,312	0	0	0	2,168	
3	3,100	2,669	0	1,449	2,774	2,387	0	358	2,454	2,606	0	0	0	2,222	
4	2,683	2,548	0	3,908	2,250	2,502	0	337	2,337	2,324	0	0	0	2,225	
5	2,620	2,757	0	6,846	1,507	2,104	0	70	2,026	1,898	0	0	0	2,520	
6	2,637	2,605	0	6,701	1,546	2,294	0	304	1,876	2,144	0	0	0	2,125	
7	2,906	2,228	0	6,921	1,790	2,187	0	33	2,101	1,782	0	87	0	2,217	
8	2,473	2,887	0	8,326	2,571	2,403	0	57	2,021	2,126	0	0	0	2,349	
9	2,646	2,526	0	499	3,721	2,510	0	365	2,369	2,762	0	0	0	2,277	
10	1,072	0	0	246	2,457	3,583	0	363	2,981	2,922	0	0	0	2,372	
11	0	0	0	7,090	3,455	2,230	0	81	2,175	2,049	0	0	0	2,298	
12	0	0	0	8,577	4,239	1,951	0	51	1,727	1,875	0	0	0	2,514	
13	0	0	0	5,743	5,301	2,082	0	284	1,833	1,770	0	0	0	2,105	
14	2,461	2,763	0	5,863	5,646	2,740	0	80	2,329	2,573	0	0	0	2,292	
15	2,069	2,727	0	5,973	5,925	2,673	0	35	1,691	1,713	0	0	0	2,102	
16	3,025	2,541	0	6,799	6,681	2,916	0	56	2,578	2,556	0	0	0	2,424	
17	3,038	2,799	0	1,931	9,105	3,216	0	338	3,235	3,449	0	0	0	2,123	
18	1,815	2,329	0	8,487	2,889	2,316	0	315	2,393	2,644	0	0	0	2,553	
19	1,934	2,359	0	4,880	4,612	2,221	0	246	2,098	2,183	0	0	0	2,204	
20	1,788	2,402	0	7,283	2,995	2,399	0	270	2,018	2,143	0	0	0	2,377	
21	2,106	2,426	0	7,211	816	1,958	0	0	1,425	1,391	0	0	0	2,298	
22	2,214	2,285	0	7,540	1,788	2,153	0	56	1,624	1,558	0	0	0	2,408	
23	3,043	2,336	0	1,118	2,971	2,249	0	245	2,335	2,355	0	0	0	2,601	
24	1,908	0	0	821	5,932	3,585	0	384	3,282	3,096	0	0	0	1,840	
25	1,858	1,918	0	6,291	2,474	2,262	0	208	1,976	2,247	0	0	0	2,254	
26	1,649	2,289	0	6,816	1,596	2,640	0	214	2,329	2,501	0	0	0	2,340	
27	2,401	2,788	0	5,713	1,214	2,115	0	189	2,288	1,916	0	345	0	1,952	
28	2,093	2,975	0	6,475	4,220	2,449	0	21	2,046	2,007	0	65	0	2,307	
29	2,633	2,994	0	5,993	3,231	2,294	0	232	1,979	2,070	0	0	0	2,170	
30	2,591	2,958	0	393	3,728	1,777	0	236	1,858	2,001	0	0	0	1,679	
31															
Total	64,398	64,014	0	153,151	101,859	73,912	0	5,964	66,719	68,392	0	497	0	67,816	

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Aug 31	2570.87	160,859									
1	2567.53	156,734	-4,125	203	2,514	12	6,535	0	50	-269	
2	2572.25	162,584	5,850	4,222	2,391	12	723	0	50	-2	
3	2575.36	166,515	3,931	2,774	2,669	12	1,449	0	50	-25	
4	2575.92	167,230	715	2,250	2,548	12	3,908	0	50	-137	
5	2573.63	164,321	-2,909	1,507	2,757	12	6,846	0	50	-289	
6	2571.39	161,508	-2,813	1,546	2,605	12	6,701	0	69	-206	
7	2569.02	158,566	-2,942	1,790	2,228	11	6,921	1	89	40	
8	2566.15	155,050	-3,516	2,571	2,887	11	8,326	0	123	-536	
9	2570.68	160,623	5,573	3,721	2,526	11	499	0	123	-63	
10	2572.57	162,986	2,363	2,457	0	11	246	0	123	264	
11	2569.22	158,813	-4,173	3,455	0	11	7,090	0	123	-426	
12	2564.88	153,510	-5,303	4,239	0	11	8,577	0	123	-853	
13	2564.12	152,593	-917	5,301	0	11	5,743	0	123	-363	
14	2565.75	154,563	1,970	5,646	2,763	11	5,863	0	125	-462	
15	2567.42	156,599	2,036	5,925	2,727	11	5,973	0	123	-531	
16	2568.85	158,356	1,757	6,681	2,541	11	6,799	0	125	-552	
17	2576.54	168,023	9,667	9,105	2,799	10	1,931	0	123	-193	
18	2573.56	164,232	-3,791	2,889	2,329	10	8,487	1	125	-406	
19	2574.95	165,993	1,761	4,612	2,359	11	4,880	0	123	-218	
20	2573.24	163,829	-2,164	2,995	2,402	11	7,283	0	125	-164	
21	2569.92	159,679	-4,150	816	2,426	12	7,211	0	123	-70	
22	2566.99	156,074	-3,605	1,788	2,285	12	7,540	0	125	-25	
23	2570.14	159,952	3,878	2,971	2,336	10	1,118	0	123	-198	
24	2573.98	164,763	4,811	5,932	0	12	821	0	125	-187	
25	2572.40	162,772	-1,991	2,474	1,918	11	6,291	0	123	20	
26	2569.90	159,654	-3,118	1,596	2,289	12	6,816	0	125	-74	
27	2568.32	157,704	-1,950	1,214	2,788	12	5,713	0	123	-128	
28	2568.77	158,258	554	4,220	2,975	11	6,475	0	124	-53	
29	2568.70	158,171	-87	3,231	2,994	11	5,993	0	123	-207	
30	2573.66	164,359	6,188	3,728	2,958	11	393	0	124	8	
Total				3,500	101,859	64,014	338	153,151	2	3,253	-6,305

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,746 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
					Natural		Natural	Project		
Aug 31	1516.05	21,589								
1	1520.44	23,428	1,839	6,535	0	203	0	4,491	-2	
2	1511.71	19,848	-3,580	723	0	4,222	0	0	-81	
3	1508.20	18,498	-1,350	1,449	0	2,774	0	0	-25	
4	1512.43	20,131	1,633	3,908	0	2,250	0	0	-25	
5	1516.69	21,852	1,721	6,846	0	1,507	0	3,618	0	
6	1519.68	23,104	1,252	6,701	0	1,546	0	3,903	0	
7	1518.35	22,543	-561	6,921	0	1,790	0	5,693	1	
8	1523.71	24,846	2,303	8,326	0	2,571	0	3,452	0	
9	1516.28	21,683	-3,163	499	0	3,721	0	0	59	
10	1510.58	19,408	-2,275	246	0	2,457	0	0	-64	
11	1520.32	23,377	3,969	7,090	0	3,455	0	0	334	
12	1531.26	28,267	4,890	8,577	0	4,239	0	0	552	
13	1528.66	27,064	-1,203	5,743	0	5,301	0	1,645	0	
14	1530.23	27,788	724	5,863	0	5,646	0	0	507	
15	1531.12	28,202	414	5,973	0	5,925	0	0	366	
16	1522.52	24,326	-3,876	6,799	0	6,681	0	3,995	1	
17	1505.26	17,405	-6,921	1,931	0	9,105	0	0	253	
18	1511.62	19,813	2,408	8,487	0	2,889	0	3,190	0	
19	1512.63	20,210	397	4,880	0	4,612	0	0	129	
20	1512.89	20,313	103	7,283	0	2,995	0	4,185	0	
21	1518.50	22,606	2,293	7,211	0	816	0	4,103	1	
22	1523.46	24,736	2,130	7,540	0	1,788	0	3,621	-1	
23	1519.32	22,952	-1,784	1,118	0	2,971	0	0	69	
24	1506.58	17,892	-5,060	821	0	5,932	0	0	51	
25	1516.19	21,646	3,754	6,291	0	2,474	0	0	-63	
26	1520.32	23,377	1,731	6,816	0	1,596	0	3,488	-1	
27	1530.25	27,797	4,420	5,713	0	1,214	0	0	-79	
28	1527.19	26,396	-1,401	6,475	0	4,220	0	3,655	-1	
29	1526.76	26,202	-194	5,993	0	3,231	0	2,956	0	
30	1519.38	22,977	-3,225	393	0	3,728	0	0	110	
Total				1,388	153,151	0	101,859	0	51,995	
									2,091	

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Aug 31	1502.80	297,102								
1	1504.03	299,723	2,621	0	4,491	0	1,999	0	129	
2	1503.13	297,804	-1,919	0	0	0	1,895	0	-24	
3	1502.23	295,892	-1,912	0	0	0	1,876	0	-36	
4	1501.33	293,987	-1,905	0	0	0	1,893	0	-12	
5	1502.14	295,701	1,714	0	3,618	0	2,005	0	101	
6	1503.04	297,612	1,911	0	3,903	0	2,005	0	13	
7	1504.79	301,349	3,737	0	5,693	0	2,006	0	50	
8	1505.67	303,238	1,889	0	3,452	0	1,936	0	373	
9	1504.74	301,242	-1,996	0	0	0	1,958	0	-38	
10	1503.87	299,381	-1,861	0	0	0	1,759	53	-49	
11	1503.03	297,591	-1,790	0	0	0	1,805	55	70	
12	1502.07	295,553	-2,038	0	0	0	2,027	0	-11	
13	1501.87	295,129	-424	0	1,645	0	2,290	0	221	
14	1500.75	292,764	-2,365	0	0	0	2,441	0	76	
15	1499.66	290,473	-2,291	0	0	0	2,325	0	34	
16	1500.68	292,616	2,143	0	3,995	0	2,274	0	422	
17	1499.62	290,389	-2,227	0	0	0	2,350	0	123	
18	1500.26	291,733	1,344	0	3,190	0	2,213	0	367	
19	1499.15	289,404	-2,329	0	0	0	2,320	0	-9	
20	1499.96	291,102	1,698	0	4,185	0	2,372	0	-115	
21	1500.75	292,764	1,662	0	4,103	0	2,355	0	-86	
22	1501.32	293,966	1,202	0	3,621	0	2,302	0	-117	
23	1500.30	291,817	-2,149	0	0	0	2,164	0	15	
24	1499.28	289,676	-2,141	0	0	0	2,121	0	-20	
25	1498.12	287,254	-2,422	0	0	0	2,367	0	-55	
26	1498.54	288,129	875	0	3,488	0	2,518	0	-95	
27	1497.37	285,694	-2,435	0	0	0	2,462	0	27	
28	1497.94	286,879	1,185	0	3,655	0	2,409	0	-61	
29	1498.20	287,420	541	0	2,956	0	2,400	0	-15	
30	1497.00	284,926	-2,494	0	0	0	2,505	0	11	
Total				-12,176	0	51,995	0	65,352	108	1,289

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Rec.	Local	Purchase	CLWA T1	
	No.	Structure	Mile	Pool B							
29A	42	Oso Pumping Plant	1.49		64,398						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved	1,806	2				
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		64,014						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	2	1,806	2				
				Ventura County Flood Control District/United Water Agency	1,806						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
29J	W4	Castaic Power Plant	25.82	(101,859 AF pumpback)	153,151						
		Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	21	61,527	21			2,544 -2,544	
		Dam	31.47								
		Castaic Lake Outlet	31.55	MWD - 78"	61,527						
				MWD - 132"	0						
				MWD-Castaic Lake WA - T1	2,544						
				Castaic Lake WA - T1	0						
				Castaic Lake WA	1,106						
				United Water Conservation Dist.	0						
				MWD - Ventura County FCD	154						
				LA Co. Parks & Recreation	0						
				Releases to Lagoon	108						
				Reach 30 Subtotal:	61,702						
	W6	Castaic Lagoon		Recreation to Lagoon	250		250				
		Castaic Lagoon Outlet	31.87		120						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

September 2000

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow				Del. To Mojave W.A.	Natural To Mojave River	Computed Losses (-) Gains (+)	Las Flores Ranch Exchange 1/
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Delivered to CLAWA	Rec.	San Bernardino Tunnel					
Aug 31	3349.15	69,379												
1	3350.21	70,374	995	3,419	0	0	8	2	2,500	0	0	86	0	
2	3350.25	70,412	38	2,312	0	0	8	0	2,168	0	1	-97	0	
3	3350.87	70,998	586	2,606	0	0	7	0	2,222	0	0	209	0	
4	3350.87	70,998	0	2,324	0	0	6	1	2,225	0	1	-91	0	
5	3350.25	70,412	-586	1,898	0	0	7	0	2,520	0	0	43	0	
6	3350.24	70,403	-9	2,144	0	0	7	0	2,125	0	0	-21	0	
7	3349.94	70,120	-283	1,782	87	0	7	0	2,217	0	1	73	0	
8	3349.67	69,866	-254	2,126	0	0	7	0	2,349	0	0	-24	0	
9	3350.10	70,271	405	2,762	0	0	6	1	2,277	0	1	-72	0	
10	3350.50	70,648	377	2,922	0	0	7	0	2,372	0	0	-166	0	
11	3350.15	70,318	-330	2,049	0	0	6	0	2,298	0	1	-74	0	
12	3349.53	69,735	-583	1,875	0	0	7	0	2,514	0	0	63	0	
13	3349.12	69,351	-384	1,770	0	0	6	1	2,105	0	1	-41	0	
14	3349.36	69,575	224	2,573	0	0	7	0	2,292	0	0	-50	0	
15	3348.89	69,136	-439	1,713	0	0	6	0	2,102	0	0	-44	0	
16	3348.84	69,089	-47	2,556	0	0	7	0	2,424	0	1	-171	0	
17	3350.36	70,516	1,427	3,449	0	0	6	1	2,123	0	0	108	0	
18	3350.60	70,742	226	2,644	0	0	6	0	2,553	0	1	142	0	
19	3350.47	70,620	-122	2,183	0	0	6	0	2,204	0	0	-95	0	
20	3350.35	70,506	-114	2,143	0	0	6	0	2,377	0	1	127	0	
21	3349.22	69,444	-1,062	1,391	0	0	6	1	2,298	0	0	-148	0	
22	3348.41	68,688	-756	1,558	0	0	6	0	2,408	0	1	101	0	
23	3348.02	68,326	-362	2,355	0	0	7	0	2,601	0	0	-109	0	
24	3349.34	69,557	1,231	3,096	0	0	7	0	1,840	0	1	-17	0	
25	3349.48	69,688	131	2,247	0	0	5	1	2,254	0	0	144	0	
26	3349.64	69,838	150	2,501	0	0	5	0	2,340	0	0	-6	0	
27	3349.80	69,988	150	1,916	345	0	3	0	1,952	0	0	-156	0	
28	3349.62	69,819	-169	2,007	65	0	3	1	2,307	0	0	70	0	
29	3349.29	69,510	-309	2,070	0	0	4	0	2,170	0	0	-205	0	
30	3349.76	69,951	441	2,001	0	0	2	1	1,679	0	1	123	0	
Total				572	68,392	497	0	181	10	67,816	0	12	-298	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

September 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Aug 31	1580.99	111,162				
1	1580.97	111,119	-43		9	
2	1580.93	111,031	-88		10	
3	1580.93	111,031	0		9	
4	1580.90	110,966	-65		9	
5	1580.90	110,966	0		9	
6	1580.90	110,966	0		9	
7	1580.88	110,922	-44		9	
8	1580.88	110,922	0		9	
9	1580.85	110,857	-65		10	
10	1580.85	110,857	0		8	
11	1580.84	110,825	-32		10	
12	1580.84	110,835	10		9	
13	1580.84	110,835	0		9	
14	1580.84	110,835	0		9	
15	1580.82	110,792	-43		10	
16	1580.82	110,792	0		9	
17	1580.81	110,770	-22		9	
18	1580.81	110,770	0		9	
19	1580.80	110,748	-22		9	
20	1580.80	110,748	0		9	
21	1580.77	110,683	-65		9	
22	1580.76	110,661	-22		10	
23	1580.74	110,617	-44		8	
24	1580.73	110,596	-21		9	
25	1580.73	110,596	0		10	
26	1580.73	110,596	0		9	
27	1580.72	110,574	-22		9	
28	1580.72	110,574	0		9	
29	1580.72	110,574	0		75	
30	1580.71	110,552	-22		142	
Total			-610	1,636	473	-1,773

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

September 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitle-ment	Rec.	Transfer Ent.	Bypass Ent.	Transfer Local Out		
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		145,109							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 5,964 AF flow down Cottonwood Chute)	73,912	69	3,925	141	0			
			308.05	Antelope Valley-East Kern WA	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	Check No. 44		314.81									
	45		314.93	AVEK 235th Street West	69							
			315.57	AVEK 225th Street West	0							
	Check No. 45		319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont	4,066							
		Check No. 46	323.84									
				Reach 19 Total:	4,135	3,994	0	141	0	0		
20A	47	Check No. 47	326.77			96	3,658	81	0			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	96							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0							
				Antelope Valley-East Kern WA	3,658							
			339.68	Antelope Valley-East Kern WA	81							
20B	Check No. 50		341.51			1,734	3	0	0			
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	1,734							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	3							
		Check No. 53	348.17									
21	54	Check No. 54	350.25			872	6	0	0			
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
			354.97	Littlerock Creek I.D.	872							
	57	Check No. 57	356.93									
22A	58		357.60	Antelope Valley-East Kern WA	6	132	366	0	0			
			357.72	Antelope Valley-East Kern WA 96th Street East	132							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	366							

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

September 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitle-ment	Recreation	Transfer Ent.	Bypass Ent.	Transfer Local Out	
	No.	Structure	Mile							
22B	58	Pearblossom Pumping Plant	360.61		430	1				
	59	Check No. 59	366.09							
	60	Check No. 60	373.94							
	61	Check No. 61	379.00							
	62	Check No. 62	384.26							
	63	Check No. 63	389.20	Mojave Water Agency Mojave River						
	64	Check No. 64	395.10							
	65	Check No. 65	400.32							
	66		401.10	Mojave Water Agency Morongo 24" and 42"						
				Mojave Water Agency Hesperia						
23	Check No. 66	403.41								
	Mojave Siphon	405.48		Las Flores Ranch		0				
24	Mojave Siphon Powerplant	405.65		(Does not include 497 AF of bypass at Mojave Flume)		68,392				
	Silverwood Lake	407.65		Crestline Lake Arrowhead Water Agency		181				
				Calif. State Park Silverwood Agency (Rec.)		10				
	San Bernardino Tunnel	411.46				67,816				
25				San Gorgonio Pass Water Agency		0				
	Devil Canyon Powerplant	412.73				67,816				
26A	Devil Canyon Afterbay Control Structures	412.88		MWD-SC Rialto		21,206				
				Desert Water Agency (MWD Wheeling Exchange)		4,146				
				San Gabriel Valley Water District		2,369				
				Coachella Valley WD (MWD Wheeling Exchange)		3,713				
				San Bernardino Valley MWD 48" and 72"		2,699				
				San Bernardino Valley MWD 24"		220				
				MWD (SBVMWD Exchange)		0				
28G	Santa Ana Valley Pipeline	425.46								
28H		433.06		MWD-SC Box Springs		8,598				
		440.05		MWD-SC Perris Bypass Pipeline		23,724				
28J	Lake Perris	442.00		MWD-SC 18"		278				
		443.44		MWD-SC 54"		52				
				MWD-SC 78"		100				
				Calif. State Park Lake Perris Recreation		43				
				MWD Total:		123,498	99,774	0	23,724	0

Table 32. Water Quality At Selected SWP Locations

September 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	38	91	72	82	71	69	67	72	68
Antimony	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.04	0.15	0.18	0.13	0.12	1.22	0.12	0.12
Calcium	mg/l	8	15	15	22	15	15	14	16	17
Carbon - Dissolved Organic	mg/l as C	NR	3	2	2	2	NR	2	2	3
Carbon - Total Organic	mg/l as C	NR	3	2	NR	NR	NR	2	2	2
Chloride	mg/l	1	12	46	56	42	39	40	40	40
Chromium	mg/l	<0.005	0.007	0.006	0.006	0.005	0.005	0.005	0.005	0.005
Copper	mg/l	0.001	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Fluoride	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	36	87	83	104	79	79	76	81	84
Iron	mg/l	<0.005	0.024	0.015	0.010	0.032	0.044	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	12	11	12	10	10	10	10	10
Manganese	mg/l	<0.005	0.006	0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.22	0.23	NR	NR	0.21	NR	0.04	0.23
Phosphorus-Ortho	mg/l as P	<0.01	0.07	0.05	NR	NR	0.04	NR	0.03	0.07
Phosphorus-Total	mg/l	<0.01	0.05	0.08	NR	NR	0.07	NR	0.08	0.08
Selenium	mg/l	NR	<0.001	<0.001	NR	NR	NR	<0.001	NR	NR
Sodium	mg/l	4	19	36	48	36	33	33	33	33
Specific Conductance	µS/cm	79	252	342	449	328	313	307	312	325
Sulfate	mg/l	2	15	20	45	23	22	20	22	24
Total Dissolved Solids	mg/l	58	150	183	259	183	176	164	167	183
Turbidity	NTU	1.4	37	8.8	21.8	6.9	9.1	12.2	15.8	2
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

C = Carbon

µg/l micrograms per liter

N = Nitrogen

µS/cm microSiemens per centimeter

P = Phosphorus

NR - Not Reported

CaCO₃ = Calcium carbonate

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

September 2000

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millSiemens/cm								Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chipp Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	(Antioch) Daily Mean		Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
	Hi		Half		md	md	md	14dm	md	14dm	md	md	md	md	
1	3.50	1.88	7,564	7,564	10,065	1.74	6.20	0.36	0.37	0.59	0.54	0.30	0.63	0.31	48
2	3.36	1.66	6,233	6,899	10,476	1.57	5.19	0.30	0.37	0.56	0.55	0.30	0.62	0.32	53
3	3.51	1.68	6,750	6,849	10,472	1.53	5.21	0.28	0.37	0.56	0.56	0.30	0.62	0.32	54
4	3.43	1.68	7,506	7,013	10,781	1.52	4.95	0.26	0.38	0.56	0.57	0.29	0.61	0.33	56
5	3.23	1.50	8,540	7,319	10,537	1.34	4.21	0.25	0.37	0.54	0.57	0.29	0.59	0.33	57
6	3.27	1.58	6,754	7,224	10,303	1.24	3.69	0.27	0.37	0.54	0.57	0.29	0.59	0.31	58
7	3.51	1.74	6,666	7,145	9,885	1.28	4.86	0.29	0.37	0.57	0.58	0.29	0.56	0.32	63
8	3.82	2.05	5,699	6,964	9,400	1.47	6.33	0.31	0.37	0.63	0.59	0.29	0.53	0.32	59
9	3.82	2.06	5,430	6,793	8,993	1.72	6.51	0.37	0.37	0.64	0.59	0.28	0.55	0.32	54
10	3.78	1.93	4,950	6,609	8,629	1.68	6.66	0.34	0.36	0.65	0.60	0.28	0.59	0.33	50
11	3.71	1.81	4,501	6,417	8,452	1.65	6.64	0.34	0.35	0.63	0.60	0.29	0.62	0.33	47
12	3.64	1.78	4,234	6,236	8,189	1.77	6.96	0.37	0.33	0.65	0.60	0.29	0.66	0.33	48
13	3.55	1.82	3,734	6,043	8,241	1.92	7.43	0.42	0.33	0.68	0.60	0.29	0.65	0.34	51
14	3.68	1.75	4,659	5,944	8,201	2.22	8.23	0.50	0.33	0.72	0.61	0.29	0.64	0.35	53
15	2.46	1.71	3,796	5,801	8,012	2.42	8.24	0.44	0.34	0.73	0.62	0.20	0.64	0.35	51
16	2.48	0.94	3,735	5,672	7,933	2.27	7.67	0.47	0.35	0.72	0.63	0.17	0.65	0.36	54
17	2.57	0.81	4,065	5,577	7,945	2.26	7.27	0.40	0.36	0.73	0.64	0.19	0.65	0.37	59
18	2.83	0.89	3,606	5,468	7,930	2.48	7.80	0.53	0.38	0.79	0.66	0.19	0.66	0.36	63
19	3.17	1.15	3,405	5,359	7,391	2.95	8.82	0.72	0.41	0.91	0.69	0.28	0.64	0.34	65
20	3.70	1.52	2,115	5,197	7,027	3.66	9.78	1.13	0.47	1.16	0.73	0.33	0.61	0.34	52
21	3.83	2.02	2,846	5,085	7,173	4.79	11.37	1.63	0.57	1.37	0.79	0.34	0.57	0.33	67
22	3.51	1.70	4,756	5,070	7,059	4.37	10.52	1.16	0.63	1.19	0.83	0.34	0.60	0.34	66
23	3.20	1.31	5,649	5,095	8,170	3.80	8.53	0.94	0.67	1.11	0.86	0.49	0.61	0.36	73
24	3.20	1.12	5,891	5,128	8,047	3.38	8.27	0.90	0.71	1.04	0.89	0.71	0.61	0.37	73
25	3.03	1.05	4,235	5,093	7,693	3.23	7.92	0.89	0.75	1.05	0.92	0.70	0.60	0.37	83
26	3.05	1.18	4,655	5,076	7,336	3.57	8.42	1.07	0.80	1.11	0.95	0.70	0.60	0.37	91
27	3.03	1.28	3,765	5,027	7,146	3.77	9.10	1.21	0.86	1.18	0.99	0.38	0.62	0.38	103
28	2.83	1.11	4,875	5,022	9,203	3.62	9.44	1.08	0.90	1.16	1.02	0.37	0.61	0.40	98
29	2.79	1.06	3,539	4,971	8,760	3.49	9.09	0.95	0.93	1.13	1.05	0.37	0.61	0.46	99
30	2.91	1.10	3,465	4,921	8,316	3.65	8.80	0.99	0.97	1.17	1.08	0.38	0.62	0.40	105

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio conce dm = Daily Mean

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals. md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

Sampling Location	Sample Date	Chemical Detected	Concentration µg/l	September 2000
	1/		2/	
North Bay Aqueduct At Barker Slough Pumping Plant	September 20, 2000	None detected	---	
California Aqueduct At Banks Pumping Plant	September 20, 2000	Methyl tert-butyl ether (MTBE)	1.6	
Delta Mendota Canal At McCabe Road	September 20, 2000	2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE)	0.43 1.10	
California Aqueduct Near Kettleman City (Check 21)	September 19, 2000	2,4-Dichlorophenylacetic acid (DCAA)	0.363	
California Aqueduct At Tehachapi Afterbay (Check 41)	September 20, 2000	2,4-Dichlorophenylacetic acid (DCAA)	0.49	
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	September 05, 2000 September 13, 2000 September 20, 2000	Methyl tert-butyl ether (MTBE) Methyl tert-butyl ether (MTBE) Methyl tert-butyl ether (MTBE) 2,4-Dichlorophenylacetic acid (DCAA)	2.10 1.8 2.40 0.51	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

September 2000

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant
			Load	Load	Total Load	SWP Load		
	Generation	Load	Load	Load	Load	Load	Load	Load
1	8,577,792	2,304	32,991	27,279	3,583,296	3,583,296	381,800	178
2	3,720,672	1,066,752	31,913	25,508	3,900,864	3,900,864	362,645	183
3	1,720,512	1,068,480	27,251	23,667	3,888,576	3,888,576	342,090	186
4	3,059,424	0	27,615	23,989	3,906,816	3,906,816	350,170	181
5	8,200,800	0	43,022	35,217	3,054,528	3,054,528	363,950	198
6	9,535,104	288	55,391	40,572	3,850,560	3,850,560	339,145	193
7	8,889,696	1,057,536	58,072	42,672	3,867,840	3,867,840	360,805	198
8	8,942,688	1,305,216	60,578	43,659	3,910,848	3,910,848	377,785	197
9	5,179,392	1,068,192	59,367	42,315	3,909,504	3,909,504	364,575	193
10	1,059,552	1,102,176	51,884	36,736	3,915,072	3,915,072	349,540	192
11	7,101,792	1,326,528	59,066	44,618	3,916,608	3,916,608	337,600	220
12	7,980,480	1,324,800	55,958	41,433	3,915,264	3,915,264	339,450	215
13	7,886,592	1,054,368	53,382	37,569	3,873,408	3,873,408	332,460	215
14	10,323,936	1,319,904	55,734	44,569	4,123,392	4,123,392	346,540	196
15	7,405,056	1,384,128	61,075	42,980	4,090,368	4,090,368	386,855	184
16	6,434,784	2,722,176	61,509	45,192	3,901,248	3,901,248	388,390	188
17	386,208	2,415,456	53,795	38,227	4,029,888	4,029,888	351,415	194
18	6,186,240	1,676,736	53,389	43,344	4,087,488	4,087,488	296,370	441
19	5,500,512	1,681,920	53,935	46,312	3,567,744	3,567,744	244,390	581
20	5,699,520	1,650,528	63,763	42,966	3,913,728	3,913,728	224,750	565
21	4,089,312	1,683,648	53,459	37,303	3,911,232	3,911,232	216,580	229
22	1,446,624	3,125,952	53,102	37,877	2,848,896	2,848,896	202,100	403
23	131,328	2,384,640	50,267	38,255	2,043,072	2,043,072	170,735	233
24	716,544	1,609,632	45,283	34,265	3,232,128	3,232,128	212,895	191
25	5,942,880	1,124,640	54,922	40,432	4,078,464	4,078,464	216,855	309
26	5,792,832	2,015,712	44,786	35,091	3,550,656	3,550,656	257,325	295
27	7,255,296	1,958,688	42,280	35,273	3,469,440	3,469,440	305,710	236
28	7,772,832	1,913,472	43,785	38,031	3,570,624	3,570,624	317,635	246
29	6,036,768	2,191,104	45,710	39,396	3,817,536	3,817,536	284,015	193
30	3,947,040	1,715,904	46,053	38,801	3,382,272	3,382,272	204,590	200
Total	166,922,208	42,950,880	1,499,337	1,143,548	111,111,360	111,111,360	9,229,165	7,433

Table 36. San Luis Field Division Energy Data

(in kWh)

September 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,536,048	1,536,048	0	0	1,857,600	597,600
2	1,666,368	1,666,368	108,000	108,000	1,277,856	413,856
3	1,284,336	1,284,336	0	0	3,030,912	534,912
4	1,195,488	1,195,488	0	0	2,987,712	1,151,712
5	1,297,872	1,297,872	886,752	886,752	1,266,336	-12,664
6	1,375,920	1,375,920	0	0	1,260,576	-6,424
7	1,318,608	1,318,608	0	0	2,370,528	606,528
8	1,264,896	1,264,896	0	0	2,726,784	962,784
9	1,469,088	1,469,088	221,184	221,184	1,864,224	786,224
10	1,022,976	1,022,976	0	0	3,134,304	1,762,304
11	1,009,440	1,009,440	0	0	1,744,992	372,992
12	845,424	845,424	655,776	655,776	2,985,408	2,103,408
13	905,184	905,184	745,920	745,920	2,568,096	1,343,096
14	1,342,512	1,342,512	135,648	135,648	2,839,392	2,071,392
15	1,045,584	1,045,584	72,288	72,288	2,467,296	2,035,296
16	1,290,384	1,290,384	611,712	611,712	2,562,912	2,130,912
17	1,485,072	1,485,072	0	0	3,187,008	1,459,008
18	1,081,728	1,081,728	0	0	1,946,880	1,178,880
19	1,283,472	1,283,472	444,384	444,384	1,746,432	1,314,432
20	1,228,608	1,228,608	858,816	858,816	3,491,424	2,195,424
21	1,223,712	1,223,712	266,400	266,400	2,520,000	1,260,000
22	1,305,792	1,305,792	290,880	290,880	2,038,752	1,366,752
23	1,183,968	1,183,968	289,728	289,728	690,048	18,048
24	1,414,656	1,414,656	761,472	761,472	763,488	379,488
25	1,149,840	1,149,840	147,456	147,456	2,091,456	1,227,456
26	1,154,016	1,154,016	243,360	243,360	2,128,608	1,264,608
27	1,109,664	1,109,664	187,200	187,200	2,273,472	1,601,472
28	1,211,616	1,211,616	121,536	121,536	1,409,472	1,409,472
29	1,235,664	1,235,664	152,640	152,640	1,610,208	1,418,208
30	1,011,312	1,011,312	0	0	2,812,032	508,032
Total	36,949,248	36,949,248	7,201,152	7,201,152	65,654,208	33,455,208

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

September 2000

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrismen	Edmonston
1	39,380	116,016	71,856	68,976	71,028	1,574,208	1,727,424	3,843,072	13,752,000
2	37,356	106,304	64,872	61,344	64,458	1,472,616	1,622,160	3,639,168	12,956,400
3	35,852	104,096	59,364	57,042	60,174	1,490,256	1,599,624	3,636,576	13,142,880
4	36,158	104,784	59,580	56,034	60,102	1,327,752	1,519,128	3,430,944	12,459,600
5	35,170	98,944	72,216	69,858	72,720	1,256,040	1,375,272	3,044,736	10,800,000
6	35,690	98,208	68,526	64,620	67,050	1,375,056	1,498,248	3,339,936	12,003,120
7	31,362	90,976	65,214	63,504	66,438	1,327,608	1,427,472	3,213,792	11,486,160
8	26,298	78,312	67,284	63,378	65,538	1,303,416	1,396,224	3,130,848	11,106,720
9	29,842	80,832	75,402	74,826	77,508	1,397,664	1,501,272	3,424,032	12,370,320
10	27,112	78,792	75,528	69,120	70,776	1,231,776	1,365,912	3,094,560	11,252,880
11	24,376	65,608	62,262	59,328	61,848	643,608	672,696	1,491,264	5,243,040
12	26,644	71,080	63,054	60,768	64,458	604,224	623,520	1,352,448	4,689,360
13	28,934	77,336	65,016	62,820	65,394	770,544	714,384	1,548,000	5,397,120
14	30,478	83,200	74,322	70,686	72,864	1,330,272	1,463,256	3,317,184	11,576,160
15	37,814	102,584	77,922	75,366	77,472	1,259,208	1,341,000	2,979,648	10,800,000
16	33,056	90,112	78,408	75,834	78,156	1,461,312	1,638,000	3,701,664	13,563,360
17	25,828	70,736	66,168	63,576	66,078	1,636,488	1,789,488	4,103,136	14,768,640
18	19,346	51,784	62,028	59,292	61,218	1,150,704	1,272,816	2,837,376	10,239,840
19	20,456	53,152	68,814	65,916	68,940	1,154,304	1,257,624	2,771,712	9,946,080
20	21,036	55,448	80,226	76,554	78,426	1,202,616	1,271,664	2,822,688	10,207,440
21	23,298	62,840	85,644	83,196	84,186	1,103,976	1,151,928	2,579,040	9,139,680
22	20,228	54,192	84,258	81,180	82,134	1,166,400	1,242,648	2,768,544	9,876,240
23	16,188	44,072	86,166	83,214	84,240	1,418,472	1,514,016	3,429,216	12,548,160
24	17,742	49,184	84,258	82,044	83,466	1,466,856	1,596,096	3,671,424	13,369,680
25	19,544	53,552	80,352	78,804	79,398	1,052,568	1,209,744	2,746,944	9,870,480
26	18,458	48,360	59,976	55,530	58,392	1,214,136	1,321,704	2,932,992	10,368,000
27	19,644	54,424	56,358	55,008	57,942	1,219,464	1,305,360	2,916,576	10,597,680
28	19,848	50,968	56,070	52,704	55,530	1,254,960	1,315,080	2,952,000	10,663,200
29	19,786	56,728	66,492	63,378	66,672	1,372,968	1,431,864	3,205,440	11,730,960
30	22,238	60,072	71,766	67,950	70,668	1,187,064	1,256,256	2,851,776	10,302,480
Total	799,162	2,212,696	2,109,402	2,021,850	2,093,274	37,426,536	40,421,880	90,776,736	326,227,680

Table 38. Southern Field Division Energy Data

(in kWh)

September 2000

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	717,808	1,435,968	2,144,000	382,200	2,241,072	2,992,512	284,508
2	764,960	1,351,512	2,144,000	301,756	1,326,036	2,523,456	184,170
3	818,552	1,520,136	2,544,000	279,104	1,647,444	2,667,744	198,807
4	723,968	1,448,784	2,400,000	293,944	1,580,424	2,678,304	182,154
5	695,520	1,521,576	2,000,000	246,540	1,369,728	3,032,160	153,468
6	699,160	1,489,752	2,000,000	270,900	1,271,136	2,560,128	172,221
7	767,704	1,481,328	2,000,000	264,656	1,422,588	2,692,416	140,070
8	649,376	1,633,032	2,000,000	292,628	1,364,736	2,844,480	172,389
9	697,704	1,446,624	2,000,000	300,692	1,603,740	2,773,536	226,506
10	287,336	3,600	2,400,000	418,684	2,015,388	2,863,872	238,056
11	7,224	0	200,000	263,620	1,469,640	2,750,208	162,498
12	6,832	0	200,000	231,140	1,172,772	2,935,968	150,402
13	7,224	0	200,000	247,912	1,242,576	2,561,664	137,697
14	648,928	1,571,112	1,880,000	326,788	1,580,196	2,790,240	210,021
15	547,008	1,592,640	1,880,000	323,820	1,155,192	2,533,056	140,238
16	798,896	1,492,128	1,880,000	350,728	1,745,568	2,909,088	209,622
17	802,984	1,638,720	2,280,000	382,928	2,183,148	2,578,944	280,602
18	482,328	1,369,224	1,640,000	274,904	1,619,712	3,058,464	210,462
19	511,056	1,382,472	1,640,000	262,640	1,420,224	2,660,256	168,189
20	478,856	1,415,232	1,640,000	283,052	1,367,340	2,858,880	166,824
21	555,184	1,410,768	1,640,000	233,716	970,428	2,784,384	110,292
22	584,192	1,327,896	1,640,000	255,696	1,103,568	2,887,968	127,134
23	806,232	1,369,944	1,640,000	264,740	1,583,868	3,109,728	188,958
24	504,896	1,728	2,040,000	425,852	2,216,616	2,269,440	254,058
25	493,248	1,127,088	1,400,000	268,212	1,337,052	2,723,136	183,582
26	467,992	1,356,480	1,400,000	314,412	1,580,832	2,808,576	205,485
27	635,544	1,623,672	1,904,000	246,820	1,553,664	2,393,376	153,510
28	590,688	1,694,808	1,904,000	299,264	1,392,000	2,778,912	161,574
29	696,416	1,698,768	1,904,000	271,852	1,346,976	2,638,752	167,013
30	685,328	1,681,416	1,904,000	210,952	1,251,396	2,075,136	160,797
Total	17,133,144	37,086,408	52,448,000	8,790,152	45,135,060	81,734,784	5,501,307